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1. Document ID: WO 9939212 A1

L1: Entry 1 of 2 File: EPAB Aug 5, 1999

PUB-NO: WO0009939212A1
DOCUMENT-IDENTIFIER: WO 9939212 A1
TITLE: IMPROVED BLOOD COAGULATION TEST

PUBN-DATE: August 5, 1999

INVENTOR-INFORMATION:

NAME	COUNTRY
EXNER, THOMAS	AU

INT-CL (IPC): G01 N 33/86; C12 Q 1/56
EUR-CL (EPC): C12Q001/56

ABSTRACT:

CHG DATE=19990902 STATUS=O>A method of determining the coagulation potential of a plasma sample comprising the steps of: (a) preincubating the plasma sample with whole dilute Agkistrodon Contortrix venom (ACCV) or like reagent such that (i) endogenous protein C in the plasma is converted into activated protein C by the reagent, and (ii) adding factor Xa which is progressively inactivated by antithrombin III/heparin cofactor (2) during the preincubation; (b) then adding reagents to initiate clotting comprising: (i) an exogenous reagent which activates factor X to Xa or prothrombin to thrombin in a factor V-dependent manner, and (ii) components, such as phospholipid and calcium ions, for efficient coagulation; (c) monitoring a reaction indicative of the rate of coagulation; (d) comparing the rate of coagulation detected in step (b) with the equivalent rate determined for a normal patient, or comparing the rate of coagulation detected in step (b) with the equivalent rate determined for the plasma sample in the absence of protein C activator; and (e) determining the coagulation potential of the plasma sample from one or other of the comparisons of step (d).

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image

2. Document ID: WO 9939212 A1 AU 748476 B AU 9924041 A EP 1068536 A1 JP 2002502040 W

L1: Entry 2 of 2 File: DWPI Aug 5, 1999

DERWENT-ACC-NO: 1999-479215
DERWENT-WEEK: 200249
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TITLE: Determining coagulation potential of a blood sample

INVENTOR: EXNER, T

PRIORITY-DATA: 1998AU-0001596 (February 2, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9939212 A1	August 5, 1999	E	029	G01N033/86
AU 748476 B	June 6, 2002		000	G01N033/86
AU 9924041 A	August 16, 1999		000	G01N033/86
EP 1068536 A1	January 17, 2001	E	000	G01N033/86
JP 2002502040 W	January 22, 2002		038	G01N033/86

INT-CL (IPC): C12 Q 1/56; G01 N 33/86

ABSTRACTED-PUB-NO: WO 9939212A
BASIC-ABSTRACT:

NOVELTY - A method of determining the coagulation potential of a plasma sample, is new.

DETAILED DESCRIPTION - The method comprises:

(a) pre-incubating the plasma sample with a reagent such that:

(i) endogenous protein C in the plasma is at least partially converted into activated protein C by the reagent; and

(ii) adding factor Xa which is progressively inactivated by antithrombin III/heparin cofactor 2 during the pre-incubation;

(b) adding to the preincubated plasma sample (a) reagents to initiate clotting comprising:

(i) an exogenous reagent which activates factor X to Xa or prothrombin to thrombin in a factor V-dependent manner; and

(ii) components, such as phospholipid and calcium ions, that are necessary for efficient coagulation of the plasma sample;

(c) monitoring a reaction indicative of the rate of coagulation of the plasma sample;

(d) comparing the rate of coagulation detected in step (b) with the equivalent rate determined for a normal patient, or comparing the rate of coagulation detected in step (b) with the equivalent rate determined for the plasma sample in the absence of protein C activator; and

(e) determining the coagulation potential of the plasma sample from one or other of the comparisons of step (d).

An INDEPENDENT CLAIM is also included for a method of differentiating between a patient with factor V(Leiden) and a normal individual, comprising diluting a plasma sample from the patient and the normal individual with a low ionic strength solution followed by determining the coagulation potential of the samples by the method described above, wherein the factor V(Leiden) plasma will have a rate of coagulation equal to or less than the rate obtained when undiluted and less than the rate of the normal plasma.

USE - No further details.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC
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Term	Documents
PROTEIN	297466
PROTEINS	187323
C	11077145
CS	210511
ANTITHROMBIN	3617
ANTITHROMBINS	176
III	1069060
IIIS	285
HEPARIN	30530
HEPARINS	1003
(PROTEIN C AND ANTITHROMBIN III AND HEPARIN COFACTOR 2).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

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